



**US Army Corps
of Engineers®**

Engineer Research and
Development Center

Civil Works Digital Project Notebook (DPN)

Technology

The Civil Works Digital Project Notebook (DPN) is a web-based mapping/database application that presents information on all U.S. Army Corps of Engineers Civil Works projects. DPN development is performed by the Topographic Engineering Center for the Corps Headquarters Civil Works Engineering Division. The application replaces more than 45 Project Map Books that Corps Districts were previously required to maintain. The DPN database includes key information on each project, such as name, type, purpose, status, funding amount, and location, as well as raster maps and photographs. Projects are referenced to a map display, which includes relevant features, such as state, division, district, and congressional boundaries, waterways, and major cities. The user can query projects based on geographical area, type, category class subclass, status, funding and/or name. Results display in map or text form. To run DPN, the user must have a Microsoft® Windows or Macintosh (using Internet Explorer only) operating system. First-time users must also download and install the viewer plug-in. The DPN database can also be queried using a non-GIS text-based search, which is faster and does not require the viewer plug-in.

Problem

Before the Civil Works Digital Project Notebook (DPN) was available, project information was only accessible through the large collection of more than 45 Project Map Books required by ER 1130-2-305 (superseded by ER 1130-2-445, "Civil Works Digital Project Notebook"), and maintained by the Corps Districts.

Expected Cost To Implement

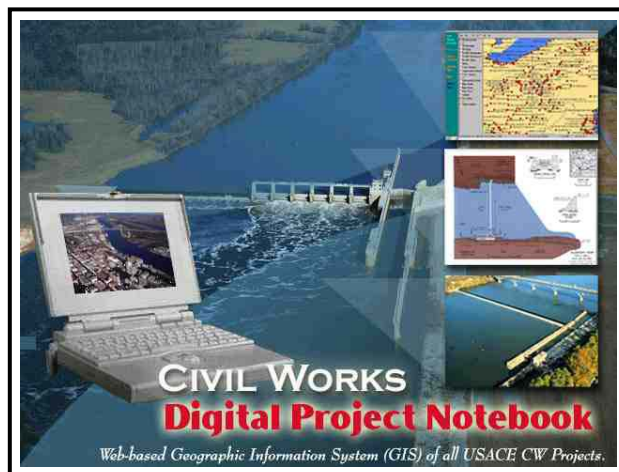
DPN is free to all users, but viewing is temporarily restricted to Federal government users (.mil, .gov and .fed.us).

Benefits/Savings

The DPN database provides users with rapid access to key information on each project such as name, type, purpose, status, funding amount, and location, as well as to raster maps and photographs—more quickly and accurately than could previous paper-based system. Projects are referenced to a map display, which includes relevant features, such as state, division, district, and congressional boundaries, waterways and major cities. Users can query projects based on geographical area, type, category class subclass, status, funding and/or name. Results display in map or text form.

Status

The DPN has been available on the Internet since May 1998. All 4100+ projects can be searched geographically over the Internet using the web GIS software Autodesk® Mapguide. The DPN also provides detailed project information with seamless links to the District's specific project web pages. The DPN is currently accessible only to government users with a .mil, .gov, or .fed.us domain thru:



<http://www.tec.army.mil/dpn/index.html>

Distribution Source	<p>The DPN is accessible through the World Wide Web. Associated software (map viewers) are available for free download from URL:</p> <p>http://crunch.tec.army.mil/software/mapguideviewer/Viewers.html</p>
Available Documentation	<p>The governing Engineer Regulation for the DPN, ER 1130-2-445, "Project Operations - Civil Works Digital Project Notebook" (CECW-EP, 31 March 2000) is available in PDF format through the Internet at URL:</p> <p>http://www.usace.army.mil/inet/usace-docs/eng-regs/er1130-2-445/toc.htm</p>
Available Training	<p>Online help and tutorials are available through the Internet at URL:</p> <p>http://crunch.tec.army.mil/dpn/webpages/help/dpnhelp.html</p>
ERDC POC	<p>U.S. Army Engineer Research and Development Center, Topographic Engineering Center (TEC), ATTN: CEERD-TR-A, 7701 Telegraph Road, Alexandria, VA 22315-3864; e-mail: rd1@typhoon.tec.army.mil</p>